

210

<div> File Select Channel/Time Range Change calibration columns Statistics Help </div>														
Page 1 [2] [3] [4]														
Start Time	Channel	Type	Rep. check	Warn check	Reading Data	ZERO Target	Error %	Reading Data	SPAN Target	Error %	Reading Data	NHD Target	Error %	Per spe
09/03/2003 06:36	3 SO ₂ Corr	DAILY	PASS	ZMR	0	0	0%	2445.2	2497	-1.92%	0	0		3.5
09/03/2003 06:36	3 NO _x Corr	DAILY	PASS	ZMR	0	0	0%	866	883	-1.7%	0	0		2.5
09/03/2003 06:36	3 CO ₂ Corr	DAILY	PASS	ZMR	0	0	0%	17.5	17.9	-2%	0	0		2.5
09/03/2003 06:50	3 Op. Inp	DAILY	PASS	PASS	0	0	0%	44.5	44.5	0%	0	0		2
09/03/2003 06:30	3 FlwB Inp	DAILY	PASS	ZMR	-2644	0	-82.62%	702.5	320	11.95%	-999.9	0		3
09/03/2003 06:30	3 FlwA Inp	DAILY	PASS	ZMR	703	320	11.97%	-2648	0	-82.75%	-999.9	0		3
09/02/2003 06:37	3 SO ₂ Corr	DAILY	PASS	ZMR	0	0	0%	2641.5	2497	5.35%	0	0		3.5
09/02/2003 06:37	3 NO _x Corr	DAILY	PASS	ZMR	0	0	0%	930.6	883	4.76%	0	0		2.5
09/02/2003 06:37	3 CO ₂ Corr	DAILY	PASS	ZMR	0	0	0%	19	17.9	5.5%	0	0		2.5
09/02/2003 06:30	3 Op. Inp	DAILY	PASS	PASS	0	0	0%	44.5	44.5	0%	0	0		2
09/02/2003 06:30	3 FlwB Inp	DAILY	PASS	ZMR	2643.9	0	-82.62%	702.4	320	11.95%	-999.9	0		3
09/02/2003 06:30	3 FlwA Inp	DAILY	PASS	ZMR	702.9	320	11.97%	2647.8	0	-82.74%	-999.9	0		3
09/01/2003 06:36	3 SO ₂ Corr	DAILY	PASS	ZMR	0	0	0%	2465.9	2497	-1.15%	0	0		3.5
09/01/2003 06:36	3 NO _x Corr	DAILY	PASS	ZMR	0	0	0%	873.1	883	-0.99%	0	0		2.5
09/01/2003 06:36	3 CO ₂ Corr	DAILY	PASS	ZMR	0	0	0%	17.7	17.9	-1%	0	0		2.5
09/01/2003 06:30	3 Op. Inp	DAILY	PASS	PASS	0	0	0%	44.5	44.5	0%	0	0		2

FIG. 17

NetDAHS - Calibration History Details - Microsoft Internet Explorer

Detail of Channel/Calibration Configuration

Channel : 3_CO2_Corr
 Start Time : 05/06/2004 14:57
 End Time : 05/06/2004 14:59
 CalSet Name : DAILY
 Warn Range : 20
 Reg Range : 20
 AutoCal TOD : 0
 Check Time : 0
 Status Hold : 0
 Perf. Spec. : 2.5
 APS Flag : False
 OOC Hours : 0
 PLC : GE 90/70
 A-to-D Range : 740
 Numerator : 10000
 Denominator : 2700
 Skew : -819
 PerfSpec is a value not % (sometime set for CO2 & O2) : 0
 This is a low emitter NOx or SO2 channel (AltPerfSpec) : 0

#1

Warning Check
PASS/FAIL

Regulatory Check
PASS/FAIL

Detail of Gas Steps

	Zero	Mid	Span
Reading (ppm)	0	0	16.4
Target (ppm)	0	0	17.9
WarnChk Limit	0.8		0.8
WarnChk Drift	0	0	1.5
RegChk Error	0%		-7.5%
Step	1	2	3
Gases	0000	0000	0000
Settle Time	0	0	0
Noise	0	0	0

Newer Edit
Older
Close Detail

Performance Specification

Performance Specification as defined by EPA. Can be a percentage (of the Regulatory Range for Daily cals or the Target for CGA cals) or be a Units of Measure value (such as 15 ppm or 0.5 % CO2) Note: Regardless of PerfSpec the minimum errors are 5 ppm or 0.5 %CO2/O2.

Warning Check

This is non-regulatory pass/fail determination and is separately configurable from Performance Specification. It is based on the "Warning Range". When the drift exceeds the "WarnChk drift" limit above you will get a failed configuration for the appropriate target(s).

Regulatory Check

This uses the EPA's regulations governing Performance Specification (note that Daily cals are not out of control until you have exceeded 2*PerfSpec) and "Span" (which we call the "Regulatory Range" since the term "Span" was already in use to describe one of the drift checks).

Warning Range

This is the analyzer's physical signal range. Example: You may have a 1000 ppm NOx analyzer with a 4-20 mA signal. The warning range would be 1000.

Regulatory Range

This is the EPA's "Span" and is used with PerfSpec to perform the Regulatory Check. If the above analyzer had an EPA "Span" of 660 ppm then the Regulatory Range would be 600.

Done Local intranet

FIG. 18

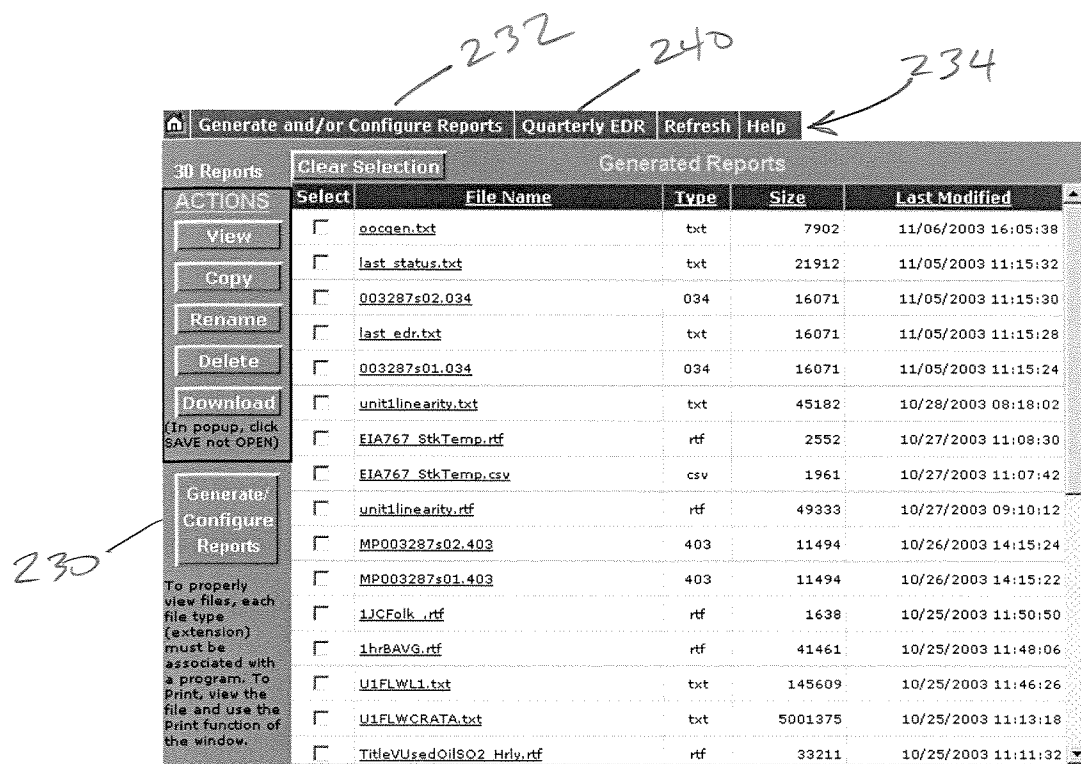


FIG. 19

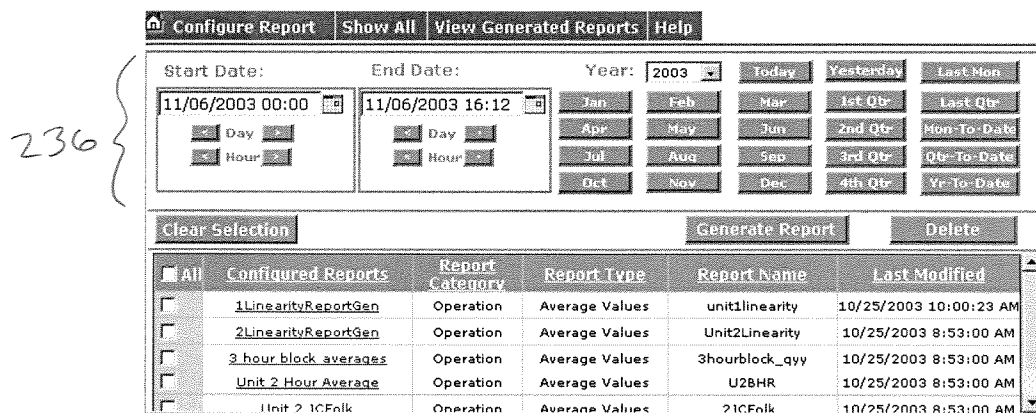
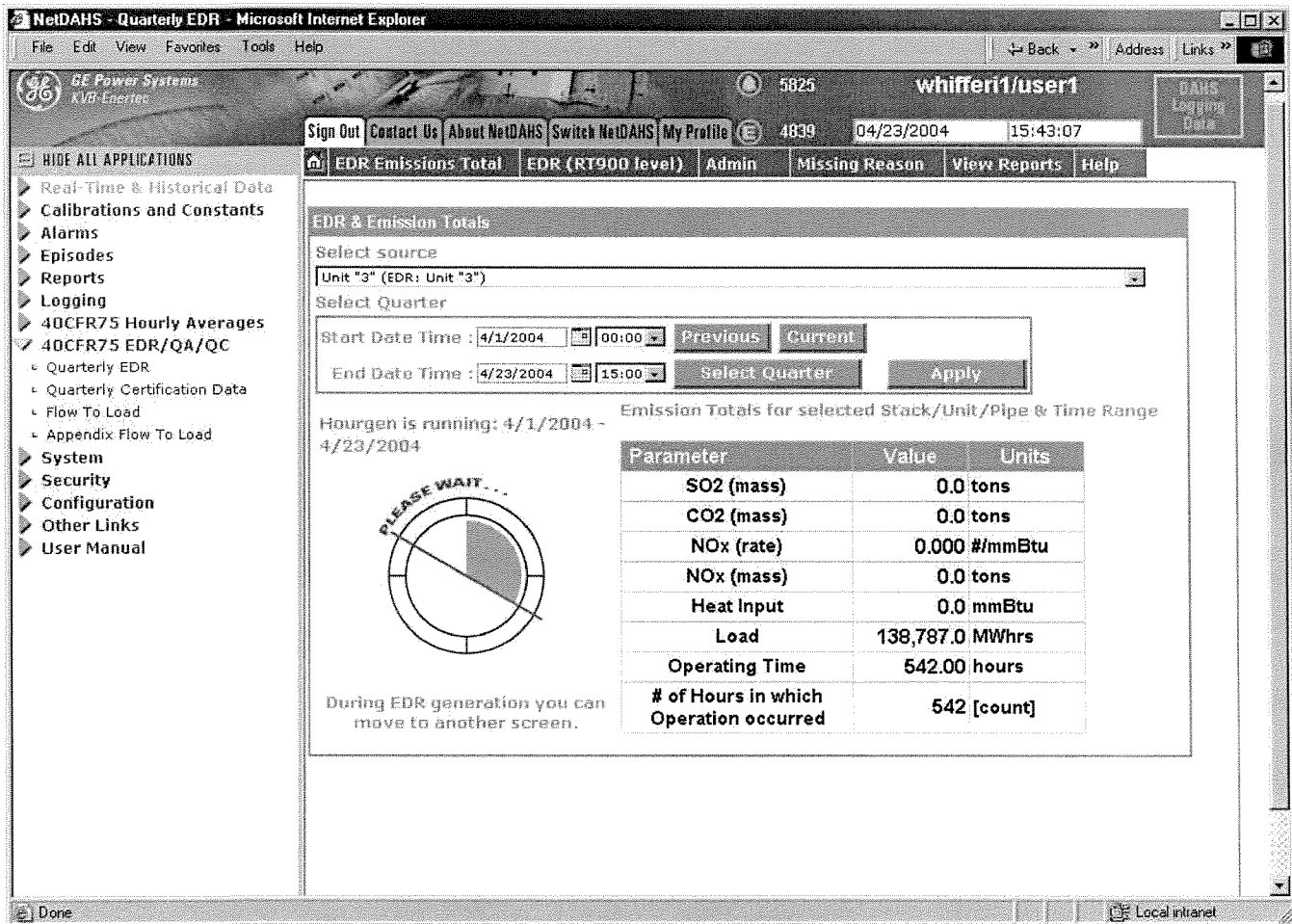


FIG. 20



242

FIG. 21

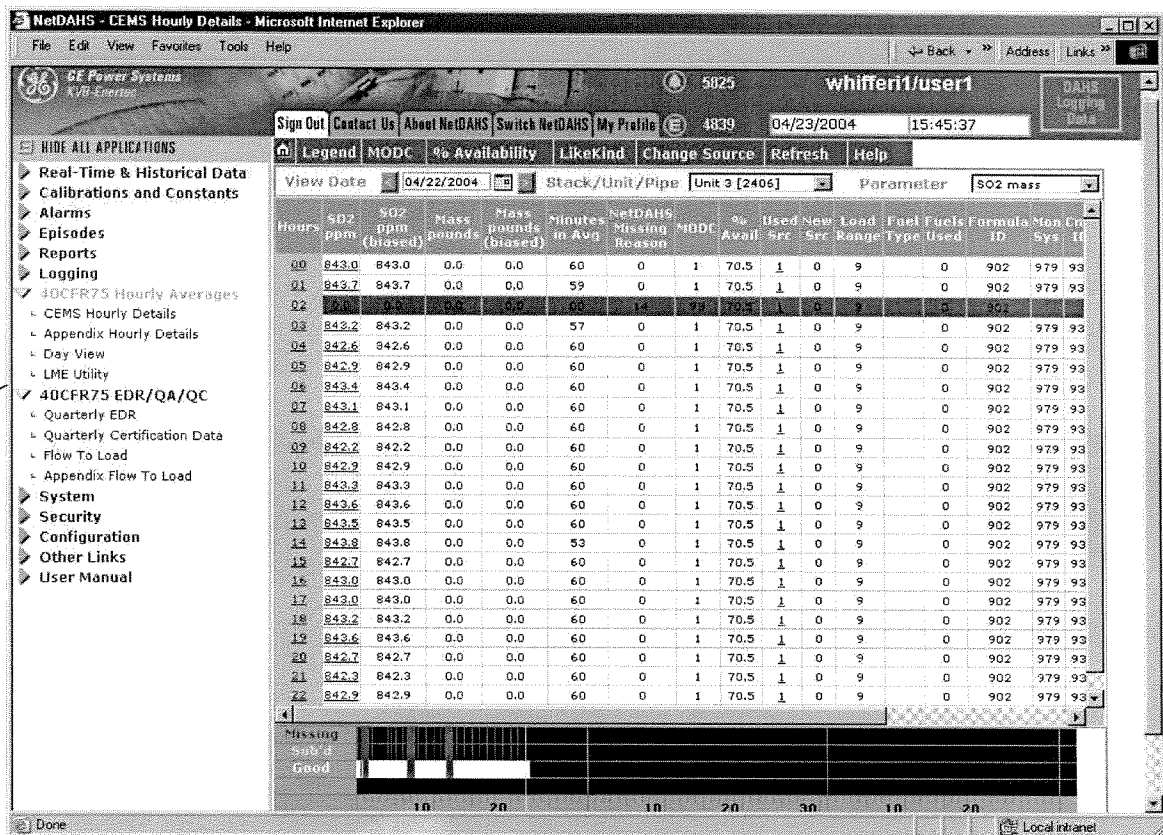


FIG. 22

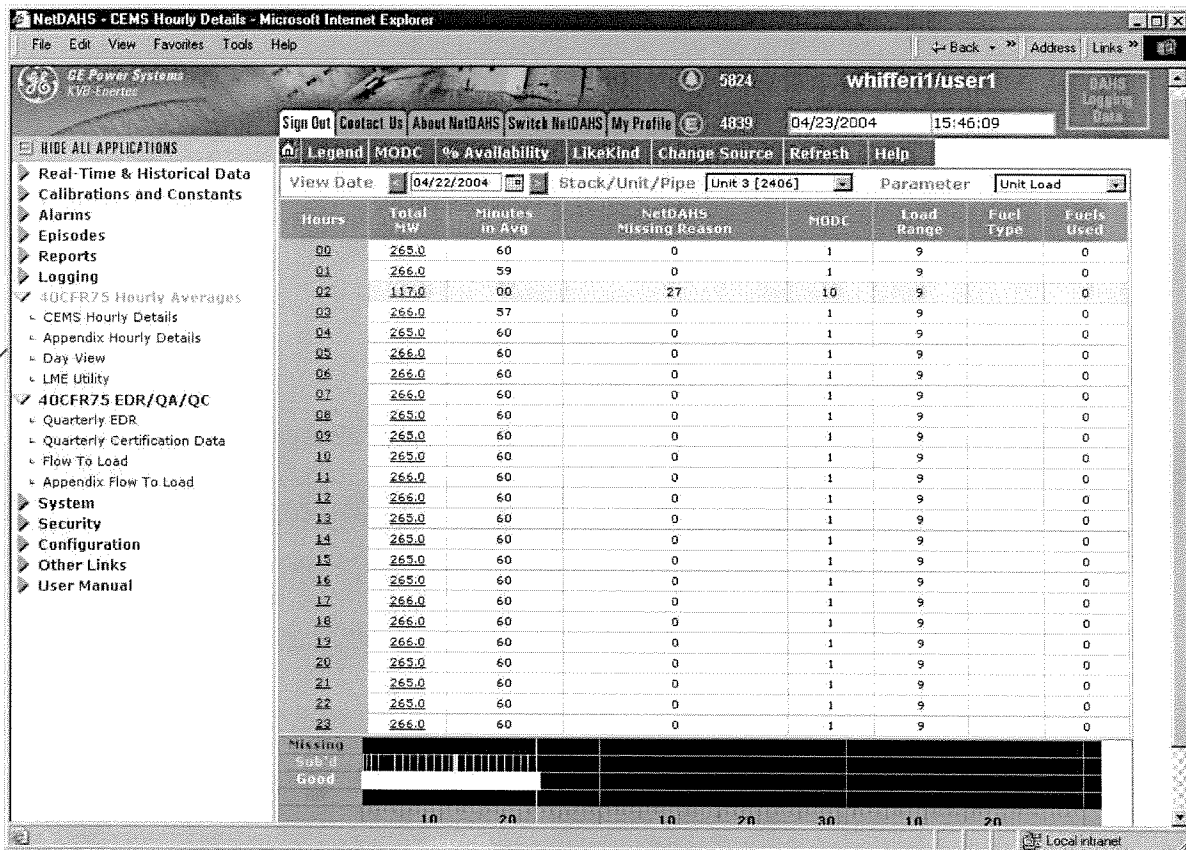


FIG. 23

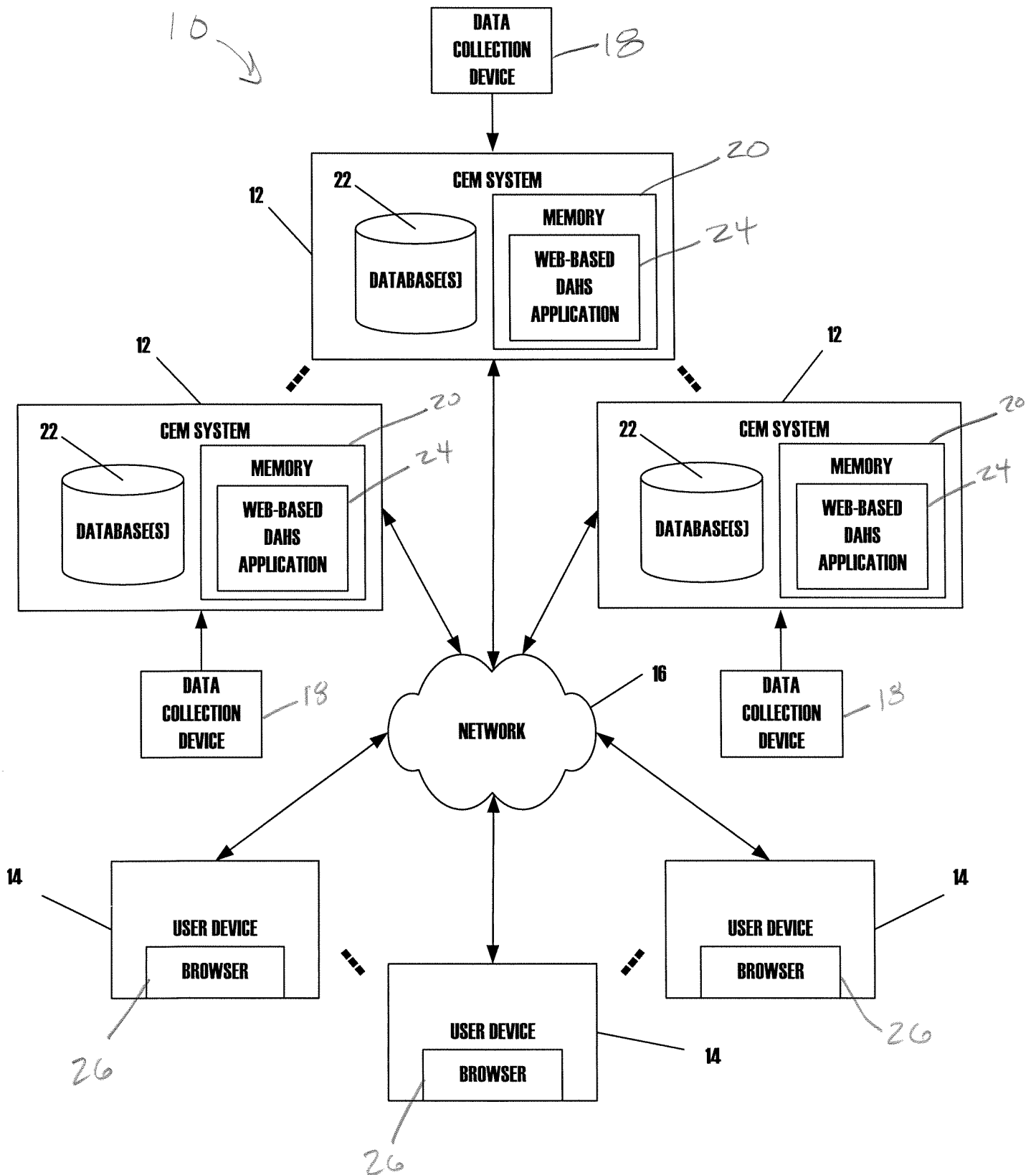


FIG. 1

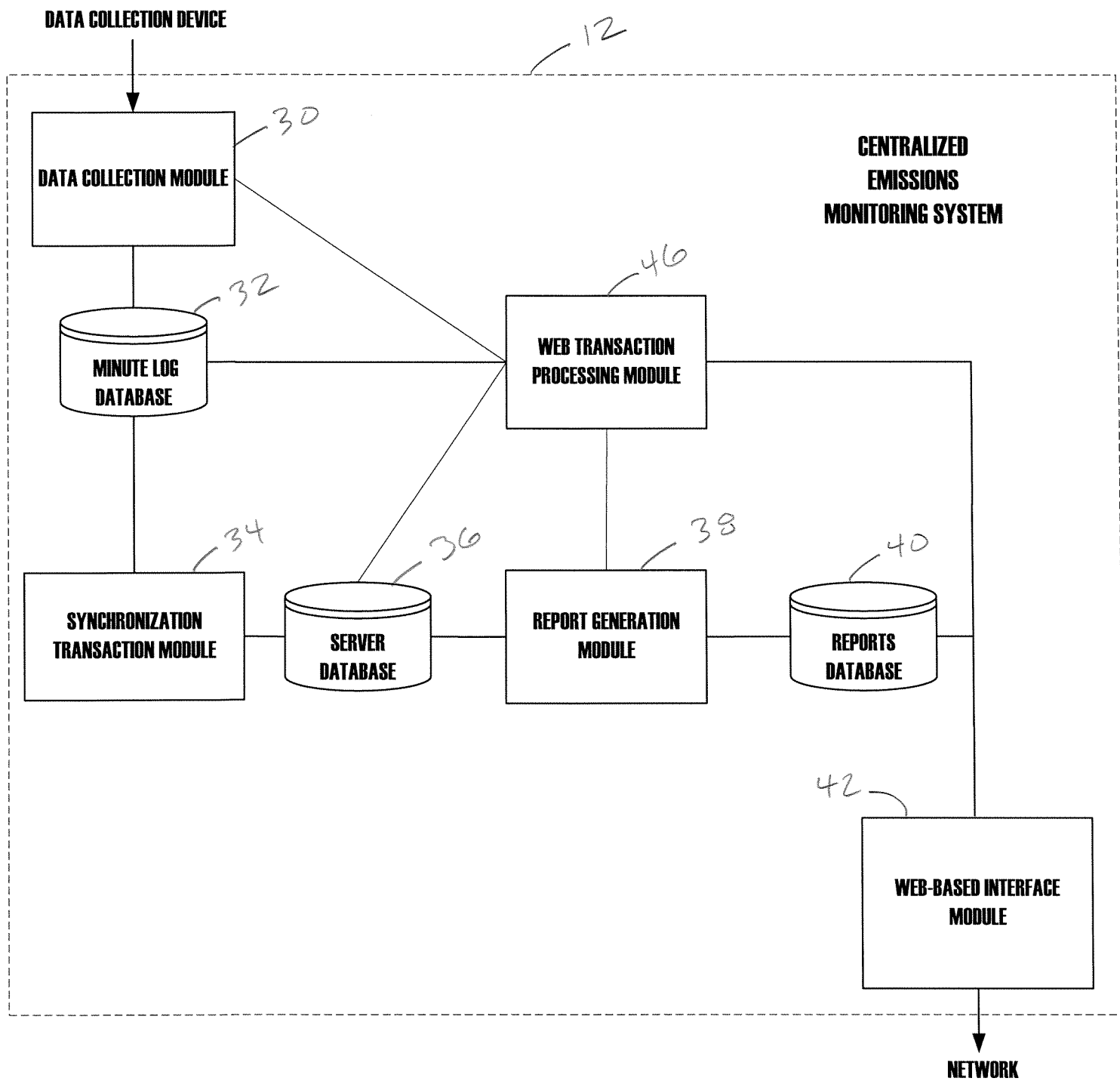


FIG. 2

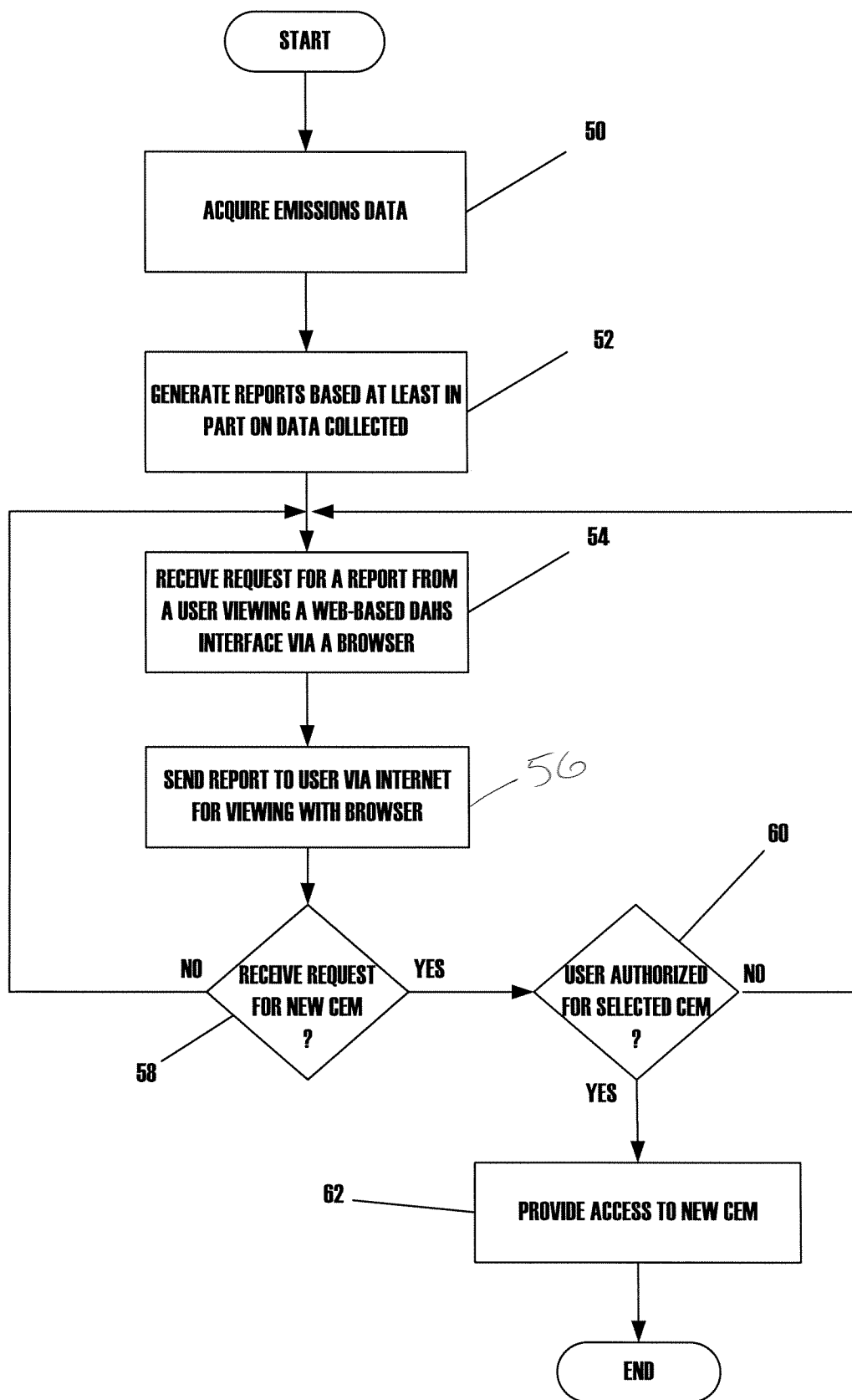


FIG. 3